

# Academic Research Enhancement Award (AREA) Grants By State and Institution, FY 2000

A description of the grants listed below may be obtained by using the grant number indicated to search NIH's online CRISP system:

<https://www-commons.cit.nih.gov/crisp/>

## **ALABAMA**

AUBURN UNIVERSITY AT AUBURN

KEMPPAINEN, ROBERT J                      1 R15 DK56607-01  
ROLE OF DEXRAS1 IN PITUITARY FUNCTION

ALABAMA AGRI AND MECH UNIVERSITY

KALE, PURUSHOTTAM G                      1 R15 ES10374-01  
UTILITY OF DELAYED MUTATION TEST IN CHEMICAL MUTAGENESIS

## **ALASKA**

UNIVERSITY OF ALASKA FAIRBANKS

BULT, ABEL                                      3 R15 MH58453-02S1  
MODEL TO STUDY THE ROLE OF AVP, PKC, AND FOS IN THE SCN

## **ARKANSAS**

UNIVERSITY OF ARKANSAS AT FAYETTEVILLE

DURDIK, JEANNINE M                      1 R15 AG17472-01  
DOUBLE STRANDED DNA BREAKS IN AGED LYMPHOCYTES

UNIVERSITY OF ARKANSAS AT MONTICELLO

MCCONNELL, ROSE M                      1 R15 CA86933-01  
SYNTHESIS AND EVALUATION OF NEW CATHEPSIN D INHIBITORS

## **CALIFORNIA**

UNIVERSITY OF THE PACIFIC-STOCKTON

VIERRA, CRAIG A                              1 R15 AI45767-01A1  
STRUCTURAL AND FUNCTIONAL ANALYSIS OF ABF-1 PROMOTER

COLLEGE OF NOTRE DAME

CHEN, THERESA L                              3 R15 AG16514-01S1  
GROWTH FACTORS AND SKELETAL AGING

OCCIDENTAL COLLEGE

POLLOCK, ROBERTA R                      3 R15 AI44797-01S1  
SIGNALS FOR L CHAIN REARRANGEMENT BY A CHIMERIC H CHAIN

HARVEY MUDD COLLEGE

KARUKSTIS, KERRY K                      2 R15 GM55911-02  
HOST / GUEST INTERACTIONS IN CATIONIC VESICLES

SCRIPPS COLLEGE

HATCHER-SKEERS, MARY E                      1 R15 GM61584-01  
DNA STRUCTURE AND DYNAMICS IN BAMHI-DNA INTERACTIONS

CALIFORNIA STATE UNIVERSITY FULLERTON

TOLMASKY, MARCELO E                      1 R15 AI47115-01

DEALING WITH ANTIBIOTIC RESISTANCE--ANTISENSE TECHNOLOGY

UNIVERSITY OF SAN DIEGO

LOER, CURTIS M 1 R15 GM60203-01  
REGULATORY ELEMENTS OF NEUROTRANSMITTER-SPECIFIC GENES

**COLORADO**

UNIVERSITY OF COLORADO AT DENVER

COUSSONS-READ, MARY E 1 R15 DA13254-01  
EFFECTS OF MORPHINE ON PULMONARY INFLUENZA INFECTION

UNIVERSITY OF DENVER

BOWLER, BRUCE E 2 R15 GM57635-02  
MEASUREMENT OF CHANGES IN DENATURED STATE ENERGETICS  
SADLER, SUSAN E 1 R15 GM60922-01  
DYNAMIC CAVEOLIN-CAVEOLAE-STEROID SIGNALING COMPLEXES

UNIVERSITY OF NORTHERN COLORADO

BASHORE, THEODORE R, JR 3 R15 AG12263-01S1  
NEUROCOGNITIVE AGING ASSESSED BY SOMATOSENSORY ERP'S

**CONNECTICUT**

WESLEYAN UNIVERSITY

WESTMORELAND, THOMAS D 1 R15 GM61724-01  
NMR RELAXIVITY MECHANISMS IN COPPER MACROCYCLES

CONNECTICUT COLLEGE

OVASKA, TIMO V 1 R15 GM60972-01  
NEW SYNTHETIC ROUTES TO PHORBOLS AND INGENANES

UNIVERSITY OF CONNECTICUT STORRS

MANAUTOU, JOSE E 1 R15 ES10093-01  
MRP 2 (CMOAT) EXPRESSION IN HEPATOCELLULAR PROLIFERATION

YALE UNIVERSITY

SADLER, LOIS S 1 R15 HD39170-01  
TRANSITION OF MOTHERHOOD IN TEEN MOTHERS IN HIGH SCHOOL

**DISTRICT OF COLUMBIA**

HOWARD UNIVERSITY

DUTTARROY, ATANU 1 R15 AG17846-01  
MANGANESE SUPEROXIDE DISMUTASE AND IN VIVO AGING

**FLORIDA**

UNIVERSITY OF FLORIDA

JESSUP, JAMES V 1 R15 NR05181-01  
EXERCISE ANTIOXIDANTS & OXIDATIVE STRESS IN THE ELDERLY  
STECHMILLER, JOYCE K 1 R15 NR05056-01  
ARGININE & IMMUNE STATUS IN ELDERLY WITH PRESSURE ULCERS

FLORIDA ATLANTIC UNIVERSITY

FUCHS, ARMIN 1 R15 NS39845-01  
COMBINING EEG, MEG, FMRI

**GEORGIA**

MERCER UNIVERSITY MACON

BANGA, AJAY K 1 R15 HL62929-01A1

ELECTRICALLY MODULATED SKIN DELIVERY OF BETA-BLOCKERS  
THOMPSON, TINA L 1 R15 MH60579-01  
ESTROGEN EFFECTS ON DOPAMINE AUTORECEPTOR ACTIVITY

STATE UNIVERSITY OF WEST GEORGIA  
LEA-FOX, DEBORAH F 1 R15 AI47808-01  
DNA VACCINATION OF SKIN AFTER REMOVING THE BARRIER LAYER

UNIVERSITY OF GEORGIA  
LITTLE, SUSAN E 1 R15 AI47413-01  
GOAT MODEL OF EHRLICHIA CHAFFEENSIS RESERVOIR INFECTION

#### **ILLINOIS**

MIDWESTERN UNIVERSITY  
FAY, MICHAEL J 1 R15 CA85279-01  
EXPRESSION AND FUNCTION OF CUL 5/VACM 1 IN BREAST CANCER  
HELMINSKI, JANET O 1 R15 AG17567-01A1  
STRATEGIES TO REDUCE DIZZINESS IN OLDER ADULTS

UNIVERSITY OF ILLINOIS AT CHICAGO  
MAO, JEREMY J 3 R15 DE13088-02S1  
MODULATION OF BONE RESORPTION BY MECHANICAL STRESSES

SOUTHERN ILLINOIS UNIVERSITY CARBONDALE  
CHANDRASHEKAR, VARADARAJ 1 R15 HD37950-01A1  
GROWTH HORMONE IN PITUITARY AND TESTICULAR FUNCTION

NORTHERN ILLINOIS UNIVERSITY  
MITCHELL, JOHN L 1 R15 CA82123-01A1  
ORIGINS AND COMPARTMENTALIZATION OF ANTIZYME PROTEINS  
STAFSTROM, JOEL P 2 R15 GM54276-02  
MUTATIONAL ANALYSIS OF ARABIDOPSIS DRG GENES

ILLINOIS STATE UNIVERSITY  
GATTO, CRAIG 1 R15 GM61583-01  
STRUCTURE OF THE SODIUM PUMP NUCLEOTIDE BINDING DOMAIN  
JAYASWAL, RADHESHYAM K 1 R15 GM61307-01  
REGULATIONS OF IRON ACQUISITION BY S AUREUS  
LOEW, SABINE S 1 R15 ES10121-01  
MUTAGENICITY AND FITNESS IMPACTS OF ENVIRONMENTAL TOXINS

EASTERN ILLINOIS UNIVERSITY  
CHESNUT, ROBERT W 1 R15 CA87488-01  
PLATINATED ESTROGENS FOR TREATMENT OF BREAST TUMORS  
NATHAN, BRITTO P 1 R15 DC03889-01A1  
EFFECTS OF APOE ON OLFACTORY NEURON PLASTICITY IN MICE

SOUTHERN ILLINOIS UNIV AT EDWARDSVILLE  
ZACHOW, ROB J 1 R15 HD38277-01  
TGFB, HGF, AND LEPTIN SIGNALING IN GRANULOSA CELLS

#### **INDIANA**

BALL STATE UNIVERSITY  
JAVED, NAJMA H 1 R15 AG18263-01  
AGING AND INTESTINAL NEURO-IMMUNE REGULATION IN COLITIS

INDIANA STATE UNIVERSITY

CHEN, JING 1 R15 DK56599-01  
ISCHEMIC ACTIN-CYTOSKELETON ALTERATIONS IN RENAL CELLS

INDIANA STATE UNIVERSITY

GHOSH, SWAPAN K 1 R15 CA86905-01  
DESIGN AND EFFICACY OF ANTI LYMPHOMA DNA VACCINE  
HEWS, DIANA K 1 R15 MH61788-01  
DIFFERENCES IN AGGRESSION AND BRAIN ANDROGEN RECEPTORS

**IOWA**

IOWA STATE UNIVERSITY OF SCIENCE & TECH

SONEA, IOANA M 1 R15 DK56619-01A1  
ROLE OF NEUROKININS IN INFLAMMATORY BOWEL DISEASE

**KANSAS**

KANSAS STATE UNIVERSITY

ROSS, CHRISTOPHER A 1 R15 HL64595-01  
NADPH OXIDASE AND NEUTROPHIL RECRUITMENT IN MUSCLE

**KENTUCKY**

MURRAY STATE UNIVERSITY

WRIGHT, STERLING N 1 R15 GM60927-01  
CARDIAC NA<sup>+</sup> CHANNEL GATING AND LOCAL ANESTHETIC BLOCK

**LOUISIANA**

UNIVERSITY OF SOUTHWESTERN LOUISIANA

ENNIS, D G 1 R15 AI47297-01  
ANALYSIS OF DNA REPAIR AND SOS REGULATION IN BRUCELLA

**MAINE**

UNIVERSITY OF NEW ENGLAND

GENTILE, LISA N 1 R15 AG17032-01A1  
PRESENILIN 1: EXON 8 MUTATIONS AND BINDING PARTNERS

UNIVERSITY OF MAINE ORONO

GUNDERSEN, ROBERT E 1 R15 GM61528-01  
DICTYOSTELIUM G&2:CELLULAR LOCALIZATION & PALMITOYLATION

**MASSACHUSETTS**

AMHERST COLLEGE

CONN, M M 1 R15 AI47085-01  
RNA LIGANDS TO BLOCK HIV-1 TAT-TAR INTERACTION

MOUNT HOLYOKE COLLEGE

DECATUR, SEAN M 1 R15 GM61558-01  
PROBING PEPTIDE CONFORMATION USING IR SPECTROSCOPY

COLLEGE OF THE HOLY CROSS

LOCURTO, CHARLES M 1 R15 MH59997-01A1  
INDIVIDUAL DIFFERENCES AND A SPATIAL FACTOR IN MICE

BOSTON COLLEGE

AROIAN, KAREN J 1 R15 NR07681-01  
MEASURING SYMPTOM SELF-CARE IN 3 RACIAL/ETHNIC GROUPS

WELLESLEY COLLEGE

HEARN, MICHAEL 1 R15 AI48397-01

NEW AGENTS FOR AIDS-ASSOCIATED MYCOBACTERIAL INFECTIONS

NORTHEASTERN UNIVERSITY

JARROLL, EDWARD L 1 R15 AI47795-01  
GIARDIA ENCYSTMENT: CONTROL OF GAINAC SYNTHESIS

**MICHIGAN**

NORTHERN MICHIGAN UNIVERSITY

PROSEN, CYNTHIA A 1 R15 DC04405-01  
BEHAVIORAL ASSESSMENTS OF HEARING LOSS

FERRIS STATE UNIVERSITY

HOERTER, JAMES D 1 R15 ES10376-01  
NUV RESISTANCE-- FUR-DEPENDENT REGULATION OF RPOS.  
HOERTER, JAMES D 3 R15 ES10376-01S1  
NUV RESISTANCE-- FUR-DEPENDENT REGULATION OF RPOS.  
HOERTER, JAMES D 3 R15 ES10376-01S2  
NUV RESISTANCE-- FUR-DEPENDENT REGULATION OF RPOS.

UNIVERSITY OF DETROIT MERCY

ROBERTS-KIRCHHOFF, ELIZABETH 3 R15 GM59595-01S1  
ROLE OF CYTOCHROMES P450 IN ISOFLAVONE METABOLISM

**MINNESOTA**

CARLETON COLLEGE

ZWEIFEL, STEPHAN G 2 R15 AG11435-02  
TRANSMISSION OF MITOCHONDRIAL GENOMES IN YEAST

**MISSISSIPPI**

MISSISSIPPI STATE UNIVERSITY

COATS, KAREN S 1 R15 AI48419-01  
PLACENTAL IMMUNOLOGY OF THE FIV-INFECTED CAT  
MEAD, KEITH T 1 R15 GM60257-01  
SYNTHESIS OF THE SPIROKETAL SUBUNIT OF REVEROMYCIN A

MILLSAPS COLLEGE

MCGUIRE, SARAH L 2 R15 GM55885-02  
ANALYSIS OF SUPPRESSORS OF NIMX CDC2 MUTATIONS

UNIVERSITY OF SOUTHERN MISSISSIPPI

LUO, YUAN 1 R15 HD38702-01  
FUNCTION OF G PROTEIN AND PCP2 IN CEREBELLUM DEVELOPMENT

**MISSOURI**

UNIVERSITY OF MISSOURI KANSAS CITY

LEE, CHI H 1 R15 HD40784-01  
THE VISCOELASTICITY AND PROTEIN COMPOSITIONS OF CERVIX  
PAPASIAN, CHRISTOPHER J 1 R15 AI46493-01A1  
CONTRIBUTION OF LPS TO EXP ENTEROCOCCAL SEPSIS

UNIVERSITY OF MISSOURI ROLLA

ERCAL, NURAN 2 R15 ES09497-02  
THERAPEUTIC ROLE OF ANTIOXIDANTS IN LEAD POISONING

UNIVERSITY OF MISSOURI COLUMBIA

ARMER, JANE M 1 R15 NR05247-01  
NURSING MEASUREMENT OF LYMPHEDEMATOUS LIMBS

**MONTANA**

MONTANA STATE UNIVERSITY (BILLINGS)

BUTLER, DAVID K 1 R15 GM60254-01  
ANALYSIS OF LARGE DNA PALINDROME FORMATION IN YEAST

MONTANA STATE UNIVERSITY (BOZEMAN)

BURGESS, DONALD E 1 R15 AI45526-01A1  
CELLULAR IMMUNE RESPONSES TO TRICHOMONADS  
SHREFFLER, M J 1 R15 AT00095-01  
COMPLEMENTARY THERAPY IN RURAL AREAS

UNIVERSITY OF MONTANA

BEALL, HOWARD D 3 R15 CA78232-01A1S2  
ACTIVATION/DETOXICATION STUDIES ON ANTITUMOR QUINONES

**NEVADA**

UNIVERSITY OF NEVADA LAS VEGAS

FU, BINGMEI M 1 R15 CA86847-01  
MICROVESSEL PERMEABILITY AND TUMOR METASTASIS

**NEW HAMPSHIRE**

UNIVERSITY OF NEW HAMPSHIRE

BOBILYA, DENNIS J 2 R15 NS35285-02  
INFLUENCE OF ZINC STATUS ON THE BLOOD-BRAIN BARRIER  
PISTOLE, THOMAS G 1 R15 AI47412-01  
HOST CELL RECOGNITION OF SALMONELLA TYPHIMURIUM  
ZERCHER, CHARLES K 1 R15 GM60967-01  
ZINC-CARBENOID APPROACH TO PEPTIDE ISOSTERES

**NEW JERSEY**

SETON HALL UNIVERSITY

KOEHNKE, JANET D 1 R15 DC04402-01  
EFFECTS OF AGING ON BINAURAL AND SPATIAL HEARING  
KOEHNKE, JANET D 3 R15 DC04402-01S1  
EFFECTS OF AGING ON BINAURAL AND SPATIAL HEARING

DREW UNIVERSITY

TEMPLE, LOUISE M 2 R15 AI37773-02  
CHARACTERIZATION OF BORDETELLA AVIUM ATTACHMENT FACTORS

**NEW YORK**

BROOKLYN COLLEGE

HE, QI 1 R15 EY12935-01  
GENES FOR AXON GUIDANCE IN THE DROSOPHILA VISUAL SYSTEM  
NISHIURA, JAMES 1 R15 AI47401-01  
CONTROL OF MOSQUITO BORNE PARASITES APOPTOSIS

COLLEGE OF STATEN ISLD WILLOWBROOK CMPS

STARK, RUTH E 3 R15 CA77803-01S3  
LIPID CONTROL IN THE REMOVAL OF DYING BRAIN TUMOR CELLS  
STARK, RUTH E 3 R15 CA77803-01S4  
LIPID CONTROL IN THE REMOVAL OF DYING BRAIN TUMOR CELLS

HUNTER COLLEGE

NOKES, KATHLEEN M 1 R15 NR05105-01A1  
SYMPTOM MANAGEMENT WITH HIV INFECTED OLDER PERSONS

MARIST COLLEGE

DINGMAN, SHERRY M 1 R15 DA13413-01  
PERFLUORO ANALOGUES FOR IMAGING B: MRI/BEHAVIORAL STUDY

HAMILTON COLLEGE

GARRETT, JANETTA M 2 R15 GM54280-02  
YEAST AMINO ACID PERMEASES

STATE UNIVERSITY NEW YORK BINGHAMTON

JONES, WAYNE E 1 R15 ES10106-01  
FLUORESCENT CHEMOSENSORS FOR MONITORING OF TOXIC METALS

COLLEGE AT BROCKPORT

BRENNAN, KELLY A 1 R15 HD39966-01  
INTERGENERATIONAL CONNECTIONS IN DIVORCE

**NORTH CAROLINA**

EAST CAROLINA UNIVERSITY

FARWELL, MARY A 1 R15 CA87810-01  
MITOCHONDRIAL ACTIVITY DURING APOPTOSIS IN BREAST CELLS  
HICKNER, ROBERT C 1 R15 AG18407-01  
ESTROGEN, MUSCLE BLOOD FLOW AND ENOS POST MENOPAUSE

DUKE UNIVERSITY

CHEEK, DENNIS J 1 R15 NR05250-01  
REGULATION OF CORONARY ARTERY FLOW BY ENDOTHELIAL CELLS

WAKE FOREST UNIVERSITY

NOFTLE, RONALD E 1 R15 GM59628-01A1  
SYNTHESIS AND ELECTROCHEMISTRY OF THIOPHENE IMIDES

WAKE FOREST UNIVERSITY

WELKER, MARK E 1 R15 AI45514-01A1  
SYNTHESIS ANTI-HIV AGENTS THAT TARGET ZINC FINGERS

UNIVERSITY OF NORTH CAROLINA WILMINGTON

GALIZIO, J M 1 R15 DA12879-01  
DRUGS OF ABUSE AND COMPLEX BEHAVIOR  
KINSEY, STEPHEN T 1 R15 AR46184-01A1  
INHERITED ADAPTATIONAL RESPONSES OF MUSCLE TO HYPOXIA

DAVIDSON COLLEGE

RAMIREZ, JULIO J 1 R15 MH60608-01A1  
FUNCTIONAL SIGNIFICANCE OF HIPPOCAMPAL SPROUTING

**NORTH DAKOTA**

NORTH DAKOTA STATE UNIVERSITY

MC COURT, MARK E 3 R15 EY12267-01S2  
PSYCHOPHYSICAL ANALYSIS OF VISUAL LINE BISECTION  
NOLAN, LISA K 1 R15 AI45522-01A1  
ANTIBODIES TO ISS FOR STUDY OF VIRULENT E. COLI  
ROBINSON, MICHAEL 1 R15 AI47959-01  
IMMUNIZATION OF MICE AGAINST A NEMATODE PARASITE  
RUST, LYNN 1 R15 AI46506-01  
PSEUDOMONAS AERUGINOSA LASB PROMOTER INTERACTIONS  
STEWART, MARY J 1 R15 GM60956-01

INVESTIGATION OF THE BYS GENE IN DROSOPHILA

UNIVERSITY OF NORTH DAKOTA

THOMASSON, KATHRYN A 2 R15 GM55929-02  
BROWNIAN DYNAMICS SIMULATIONS OF ACTINS WITH ALDOLASE

**OHIO**

UNIVERSITY OF DAYTON

ROBINSON, JAYNE B 1 R15 GM61318-01  
QUORUM SENSING IN BACTERIAL TWITCHING MOTILITY

OHIO UNIVERSITY ATHENS

BARBAR, ELISAR J 1 R15 GM60969-01  
CYTOPLASMIC DYNEIN LIGHT CHAIN STRUCTURE AND FUNCTION  
BLAZYK, JOHN F, JR 1 R15 AI47165-01  
DESIGN OF NOVEL LINEAR CATIONIC ANTIMICROBIAL PEPTIDES

OHIO UNIVERSITY ATHENS

CODE, REBECCA A 1 R15 DC04816-01  
OPIOID RECEPTORS IN COCHLEAR NUCLEUS

MIAMI UNIVERSITY OXFORD

ACTIS, LUIS A 1 R15 AI44776-01A1  
GENETICS OF H. AEGYPTIUS BRAZILIAN PURPURIC FEVER CLONE  
CHUNG-PHILLIPS, ALICE 2 R15 GM52670-02  
AB INITIO STUDIES OF BIOMOLECULES  
COSTANZO, JON P 1 R15 DK54034-01A2  
AMPHIBIAN URINARY BLADDER: NOVEL GLUCOSE TRANSPORT MODEL  
CYBULSKI, MARK 1 R15 GM59586-01A1  
AB INITIO STUDIES OF COMPLEXES OF NUCLEIC ACID BASES  
JANIK, JAMES M 1 R15 DK56139-01A1  
MECHANISMS OF ORPHANIN'S EFFECTS ON PROLACTIN RELEASE  
LORIGAN, GARY A 1 R15 GM60259-01  
MAGNETIC RESONANCE STUDIES OF MEMBRANE PROTEINS

BOWLING GREEN STATE UNIV BOWLING GREEN

LEONTIS, NEOCLES B 2 R15 GM55898-02  
ANALYSIS OF CONSERVED 3D RNA MOTIFS  
OGAWA, MICHAEL Y 1 R15 GM60258-01  
SYNTHETIC BZIP PROTEINS AS TARGETING AGENTS FOR PDT  
WILMES-RIESENBERG, MARY R 1 R15 AI46481-01  
IDENTIFICATION OF REGULATORS OF SALMONELLA INVASION

NORTHEASTERN OHIO UNIVERSITIES COLL MED

ROSENTHAL, KENNETH S 1 R15 NS40324-01  
FUNCTION AND ROLE OF HSV-1 ICP34.5 IN ENCEPHALITIS

UNIVERSITY OF AKRON

LONDRVILLE, RICHARD L 1 R15 DK58113-01  
LEPTIN STRUCTURE AND FUNCTION IN GREEN SUNFISH

OHIO STATE UNIVERSITY

FRAZIER, SUSAN K 1 R15 NR05059-01  
CARDIOVASCULAR FUNCTION DURING VENTILATOR WEANING

**OKLAHOMA**

UNIVERSITY OF OKLAHOMA HLTH SCIENCES CTR



WIRSIG-WIECHMANN, C R, R 1 R15 DC04270-01  
FUNCTION OF GNRH IN NASAL GLANDS

**OREGON**

OREGON HEALTH SCIENCES UNIVERSITY  
PATTERSON, PATRICIA K 1 R15 NR04978-01A1  
VIDEOPHONE FIELD TESTING FOR SENIOR CARE

EASTERN OREGON STATE COLLEGE  
BALABAN, MARIE T 1 R15 HD38742-01  
INFANTS' EMERGING OBJECT CATEGORIES: ATTENTION TO LABELS

LEWIS AND CLARK COLLEGE  
LOCHNER, JANIS E 1 R15 NS40425-01  
REAL-TIME IMAGING OF TPA/GFP IN HIPPOCAMPAL NEURONS  
SCALETTER, BETHE A 1 R15 GM61539-01  
SORTING AND POST-GOLGI TRANSPORT OF TPA

**PENNSYLVANIA**

THOMAS JEFFERSON UNIVERSITY  
BISWAS, ESTHER E 1 R15 EY13113-01  
MOLECULAR ANALYSIS GENETIC MUTATIONS IN VISUAL DISEASES

UNIVERSITY OF THE SCIENCES PHILADELPHIA  
BRUIST, MICHAEL F 1 R15 GM60976-01  
DNA DYNAMICS IN INTEGRATION HOST FACTOR - DNA COMPLEXES

BUCKNELL UNIVERSITY  
SHAPIRO, ARTHUR G 1 R15 EY12946-01  
VISUAL ADAPTATION AT MESOPIC LIGHT LEVELS

INDIANA UNIVERSITY OF PENNSYLVANIA  
AYEBO, AMADU D 1 R15 ES10371-01  
WELL WATER NITRATE AND ASSOCIATED HEALTH EFFECTS

BRYN MAWR COLLEGE  
BURGMAYER, SHARON J 1 R15 GM60264-01  
IMPROVED MODEL COMPLEXES FOR MOLYBDOENZYME ACTIVE SITES

DUQUESNE UNIVERSITY  
BASU, PARTHA 1 R15 GM61555-01  
MODELS OF NITRATE REDUCTASES AND RELATED ENZYMES

DUQUESNE UNIVERSITY  
WRIGHT, DAVID W 1 R15 AI47128-01  
TEMPLATE-MEDIATED BIOMINERALIZATION OF HEMOZOIN

UNIVERSITY OF PITTSBURGH AT PITTSBURGH  
AGARWAL, SUDHA 1 R15 DE13799-01  
STRESS-INDUCED ANTI-INFLAMMATORY SIGNALS IN TMJ  
YAICH, LAUREN E 1 R15 NS39857-01  
ANALYSIS OF NEURAL DEVELOPMENT GENES IN DROSOPHILA

FRANKLIN AND MARSHALL COLLEGE  
JINKS, ROBERT N 1 R15 EY13196-01  
CENTRAL REGULATION OF THE PERIPHERAL VISUAL SYSTEM

LEBANON VALLEY COLLEGE

MOE, OWEN A 1 R15 GM61530-01  
MAPPING NUCLEOTIDE SITES OF E. COLI GMP SYNTHETASE

ELIZABETHTOWN COLLEGE

CAVENDER, JANE F 2 R15 CA67303-02  
SV40 T ANTIGEN TRANSACTIVATION AND TRANSFORMATION

DICKINSON COLLEGE

HENSON, JOHN H 1 R15 GM60925-01  
MECHANISM AND REGULATION OF ACTIN-BASED RETROGRADE FLOW

ALLEGHENY COLLEGE

MEADE, MAURA J 1 R15 AI47854-01  
NOVEL TRICLOSAN RESISTANCE MECHANISM IN BACTERIA

**SOUTH CAROLINA**

CLEMSON UNIVERSITY

BAIN, LISA J 1 R15 ES10110-01A1  
TRANSPORT OF PESTICIDES MEDIATED BY MRP1 AND MRP3  
RICE, CHARLES D 1 R15 ES10556-01  
EFFECTS OF PCBS & ESTROGENS ON PRO-INFLAM. PHAGOCYTE FU.

FURMAN UNIVERSITY

TURGEON, VICTORIA L 1 R15 NS40336-01  
PARS IN DEVELOPMENT & PLASTICITY OF THE NERVOUS SYSTEM

**SOUTH DAKOTA**

SOUTH DAKOTA STATE UNIVERSITY

GRANHOLM, NELS H 3 R15 AR42757-01S1  
MELANOGENIC CORRELATES OF AGOUTI GENE EXPRESSION  
ROWLAND, RAYMOND R 1 R15 GM61319-01  
FUNCTIONAL ROLES FOR AN ARTERIVIRUS N PROTEIN

HILLS STATE UNIVERSITY

ANAGNPOULOS, CHERYL A 1 R15 AG18261-01  
THE EFFECTS OF FILIAL PIETY ON AGEISM IN LAKOTA CULTURE

**TENNESSEE**

EAST TENNESSEE STATE UNIVERSITY

HARRISON, THERESA A 1 R15 NS40265-01  
NEURONAL SUBPOPULATIONS IN GUSTATORY NST  
JOHNSON, DAVID A 1 R15 AI45549-01A1  
RECOMBINANT HUMAN MAST CELL TRYPTASES  
MACNEE, CAROL L 1 R15 NR05249-01  
DESCRIPTION OF SMOKING CESSATION IN SOUTHERN APPALACHIA

MARYVILLE COLLEGE

WRIGHT, STEPHEN E 1 R15 DK59155-01  
CHARACTERIZATION OF LIPID-PROTEIN BOUNDARY IN GPCR MODEL

FISK UNIVERSITY

IKE, JUSTUS O 1 R15 HD37118-01A1  
SEROTONIN RECEPTORS IN PHENYLKETONURIC RATS

UNIVERSITY OF MEMPHIS

GARTNER, THEODORE K 2 R15 HL56369-03

MECHANISM OF PLATELETACTIVATION BY THE PEPTIDE LSARLAF  
PARRILL, ABBY L 3 R15 AI45984-01S1  
QSAR AND DOCKING STUDIES OF HIV INTEGRASE

UNIVERSITY OF TENNESSEE AT MEMPHIS  
LAIZURE, STEVEN C 1 R15 AA12630-01  
NALMEFENE CONTROLLED RELEASE IMPLANTABLE PELLET

#### **TEXAS**

TEXAS TECH UNIVERSITY  
LI, GUIGEN 1 R15 GM60261-01  
ASYMMETRIC REACTION PROCESSES

UNIVERSITY OF TEXAS HLTH SCI CTR HOUSTON  
UPCHURCH, SANDRA 1 R15 NR05058-01  
DIABETES SELF-MANAGEMENT OUTCOMES: A META-ANALYSIS

#### **VERMONT**

UNIVERSITY OF VERMONT & ST AGRIC COLLEGE  
HUOT, ANNE E 1 R15 CA85579-01  
MODULATION OF CYTOLYTIC AGENTS BY NITRIC OXIDE  
VICHI, PAUL J 1 R15 CA86854-01  
MAP KINASES AND NUCLEOTIDE EXCISION REPAIR

MIDDLEBURY COLLEGE  
CHOI, SUNHEE 3 R15 CA82145-01S1  
MECHANISTIC STUDY OF PTIV ANTICANCER COMPLEXES

#### **VIRGINIA**

COLLEGE OF WILLIAM AND MARY  
MORGAN, KATHLEEN M 1 R15 GM59037-01A1  
SOLVENT EFFECTS ON AMIDE ROTATION USING 'TWISTED' AMIDES  
SHAKES, DIANE C 1 R15 GM60359-01  
METAPHASE TO ANAPHASE TRANSITION IN MITOSIS AND MEIOSIS

UNIVERSITY OF RICHMOND  
GOODNER, BRADLEY W 1 R15 GM61690-01  
GENOMICS APPROACH TO A PATHOGEN OF ANIMALS AND PLANTS

WASHINGTON AND LEE UNIVERSITY  
STEWART, ROBERT E 1 R15 DC04734-01  
GUSTATORY SODIUM AND POTASSIUM SENSING

GEORGE MASON UNIVERSITY  
DAVIES, KEITH M 1 R15 GM61560-01  
BIOMIMETIC STUDY OF NITRIC OXIDE DONOR COMPOUNDS

#### **WASHINGTON**

CENTRAL WASHINGTON UNIVERSITY  
GERDES, JOHN M 1 R15 NS39814-01  
NEW SEROTONIN TRANSPORTER IMAGING AGENTS BY DESIGN

#### **WEST VIRGINIA**

WEST VIRGINIA UNIVERSITY  
SZKLARZ, GRAZYNA D 1 R15 CA85542-01  
ACTIVE SITES MODEL OF CYTOCHROMES P450 1A1 AND 1A2

MARSHALL UNIVERSITY

CHERTOW, BRUCE S 1 R15 DK57851-01  
VITAMIN A DEFICIENCY, ISLET DEVELOPMENT AND DIABETES

**WISCONSIN**

UNIVERSITY OF WISCONSIN RIVER FALLS

MILLER, E K 1 R15 AG17444-01  
HSP 70 GENE EXPRESSION IN SCID MOUSE BRAIN

MARQUETTE UNIVERSITY

DOWNES, STEPHEN M 1 R15 HD39172-01  
MEIOTIC REGULATION IN MAMMALIAN OOCYTES  
MUNROE, STEPHEN H 1 R15 DK58064-01  
REGULATION OF THYROID HORMONE RECEPTOR MRNA PROCESSING

UNIVERSITY OF WISCONSIN MILWAUKEE

REDDY, MICHAEL K 1 R15 AI47397-01  
ROLE OF VACCINIA VP11 PHOSPHOPROTEIN IN MORPHOGENESIS  
YAKOVLEV, VLADISLAV V 1 R15 CA83910-01  
SHORT PULSE LASER TISSUE ABLATION

LAWRENCE UNIVERSITY

SUMMERS, RICHARD G 1 R15 GM61310-01  
ENZYMATIC DETERMINANTS OF ERYTHROMYCIN STEREOCHEMISTRY

**WYOMING**

UNIVERSITY OF WYOMING

BOITANO, SCOTT 1 R15 HL64636-01  
CA<sup>2+</sup>, GAP JUNCTIONS & COMMUNICATION IN ALVEOLAR II CELLS